

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1** (Previously presented): A sorption unit for
2 an air-conditioning and heat technology apparatus, said
3 unit having a working medium water and a sorption medium
4 zeolite, wherein the working medium water is exothermally
5 sorbed in said sorption medium zeolite and in a subsequent
6 endothermic reaction again is desorbed, said unit further
7 having sheets for thermal conduction past which said
8 working medium water is guided, said sheets being in
9 contact with said sorption medium zeolite, wherein said
10 sorption medium zeolite forms string-shaped profiled
11 bodies (4) which are designed to create surface contact
12 with said sheets (3, 3'), and wherein channels (6) for
13 passage of working medium water are formed by means of said
14 string-shaped profiled bodies (4), wherein a working
15 pressure in the sorption unit is maintained below
16 atmospheric pressure.

1 **Claims 2-4** (Canceled)

1 **Claim 5** (Previously presented): The sorption unit
2 as defined in claim 1, wherein said channels for passage of
3 the working medium water are formed in said profiled bodies
4 and extend in a longitudinal direction of said profiled
5 bodies.

1 **Claim 6** (Previously presented): The sorption unit
2 as defined in claim 5, wherein said channels for passage of
3 the working medium water are axially symmetrical relative
4 to the longitudinal direction of the profiled bodies.

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1 **Claim 7** (Previously presented): The sorption unit
2 as defined in claim 6, wherein said channels for passage of
3 the working medium water have a circular diameter.

1 **Claim 8** (Withdrawn): The sorption unit as defined
2 in claim 6, wherein said channels for passage of the
3 working medium water have a square diameter.

1 **Claim 9** (Withdrawn): The sorption unit as defined
2 in claim 6, wherein said channels for passage of the
3 working medium water have a square diameter with rounded
4 corners.

1 **Claim 10** (Withdrawn): The sorption unit as defined
2 in claim 5, wherein each profiled body defines one channel
3 for passage of the working medium water, said one channel
4 being arranged in a center of the cross-section of the
5 body.

1 **Claim 11** (Withdrawn): The sorption unit as defined
2 in claim 5, wherein said profiled body has a square
3 cross-section.

1 **Claim 12** (Withdrawn): The sorption unit as defined
2 in claim 5, wherein said profiled body includes at least
3 two neighboring sections, each section representing a
4 profiled body having a square cross section.

1 **Claim 13** (Currently amended): The sorption unit as
2 defined in claim 1, wherein said channels (6) for passage
3 of the working medium water are formed between neighboring
4 profiled bodies (14).

1 **Claim 14** (Previously presented): The sorption unit
2 as defined in claim 13, wherein said profiled bodies (4)
3 are shaped generally as an X with closed top and bottom
4 sides.

1 **Claim 15** (Withdrawn): The sorption unit as defined
2 in claim 13, wherein said profiled bodies (4) are shaped
3 generally as an X with closed top and bottom sides.

1 **Claim 16** (Previously presented): The sorption unit
2 as defined in claim 1, wherein said sheets (3, 3') are
3 built as double sheet elements, wherein a space between
4 said double sheets is filled with said string-shaped
5 profiled bodies (4).

1 **Claim 17** (Withdrawn): The sorption unit as defined
2 in claim 16, wherein said string-shaped profiled bodies (4)
3 have different lengths and arranged in parallel with one
4 another.

1 **Claim 18** (Withdrawn): The sorption unit as defined
2 in claim 16, wherein a plurality of double sheet elements
3 form a package arranged in pile and/or one beside the
4 other.

1 **Claim 19** (Withdrawn): The sorption unit as defined
2 in claim 16, wherein the ends of said string-shaped
3 profiled bodies (4) define openings through which working
4 medium water can flow between adjacent ends of said
5 profiled bodies (4).

1 **Claims 20-44** (Canceled)

1 **Claim 45** (Previously presented): A sorption unit for
2 an air-conditioning and heat technology apparatus, the unit
3 comprising:

4 a working medium;

5 sheets for thermal conduction past which the
6 working medium is guided;

7 a sorption medium comprising string-shaped
8 profiled bodies for making surface contact with the sheets;
9 and

10 channels for passage of the working medium being
11 defined by the string-shaped profiled bodies;

12 wherein the working medium is exothermally
13 adsorbed on the sorption medium and subsequently
14 exothermally desorbed from the sorption medium; and wherein
15 a working pressure in the sorption unit is maintained below
16 atmospheric pressure.

1 **Claim 46** (New): The sorption unit as defined in
2 claim 1, wherein the working medium water is exothermally
3 adsorbed to the surface of the sorption medium zeolite,
4 wherein the sheets are made of thermally conductive
5 material and are arranged to form at least one cavity for
6 receiving the sorption medium zeolite, wherein the
7 sorption medium zeolite is provided in the form of

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cont

8 zeolite pieces shaped like string-shaped profiled bodies
9 being in surface contact with the sheets, the
10 string-shaped profiled bodies abutting adjacent
11 string-shaped profiled bodies being shaped and arranged
12 to form the channels, and wherein the string-shaped
13 profiled bodies provide a surface for the adsorption of
14 the working medium water passing through the channels.
